

Pharmacology

- Pharmacology is the study of the effects of chemicals on living systems and may include the study of individual molecules and cells, tissues or whole organisms. The field of pharmacology occupies a central position in the continuum of biomedical sciences such that there are often unclear boundaries between pharmacology and, for example, the fields of toxicology, biochemistry, physiology, pathology and microbiology.
- Training in this discipline offers the student a wide diversity of areas of inquiry and may prepare the student for a broad range of career opportunities in academia, industry and government.

Faculty with an interest in Pharmacology:

- Dr. Karen Briski, Professor of Pharmacology, Department Head
- Dr. Paul Sylvester, B. J. Robison/Pfizer Endowed Professor of Pharmacology
- Dr. Girish Shah, Calhoun Endowed Professor of Pharmacology
- Dr. Victor Hsia, Assistant Professor of Pharmacology
- Dr. Yong-Yu Liu, Assistant Professor of Pharmacology
- Dr. Keith Jackson, Assistant Professor of Pharmacology

Required Courses for Pharmacology

Core Curriculum

Pharmacy 409	Organic Medicinal Chemistry II
Pharmacy 413	Pharmacology III
Pharmacy 414	Pharmacology IV
Pharmacy 521	Advanced Pharmacology
Pharmacy 522	Advanced Pharmacology Laboratory
Math 520	Statistical Methods for the Experimenter I
Math 521	Statistical Methods for the Experimenter II

Electives

Pharmacy 527	Neuropharmacology
Pharmacy 528	Cardiac & Renal Pharmacology
Pharmacy 550	Biochemical Toxicology
Pharmacy 581	Advanced Toxicology
Pharmacy 582	Advanced Toxicology Laboratory
Pharmacy 432	Biopharmaceutics
Pharmacy 513	Pharmacokinetics
Pharmacy 514	Advanced Biopharmaceutics
Chemistry 551 and 552	Biochemistry